



# JUNE 1997

## LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

# WILMINGTON, DE

GREATER WILMINGTON AIRPORT (ILG)  
 Lat: 39° 40' N Long: 75° 36' W Elev (Ground): 74 Feet  
 Time Zone: EASTERN WBAN: 13781 ISSN #: 0198-117X

JUNE 1997  
WILMINGTON, DE

DATE	TEMPERATURE °F							DEG DAYS BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								DATE																																																			
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING	0700 LST		1300 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM																																																									
																			5-SEC		2-MIN																																																							
																			SPEED	DIR	SPEED	DIR																																																						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																																																					
01	79	62	71	3	64	66	0	6	RA FG BR				0.06	29.79	29.87	8.7	06	10.4	29	07	25	06	01																																																					
02	62	53	58	-10	58	58	7	0	RA BR				0.98	29.84	29.92	17.5	06	17.6	31	07	26	06	02																																																					
03	59	48	54*	-14	47	51	11	0	RA BR				0.13	29.94	30.03	15.2	05	15.7	32	04	26	04	03																																																					
04	67	50	59	-10	45	52	6	0					0.00	29.90	29.99	8.2	05	10.2	23	04	21	04	04																																																					
05	72	46	59	-10	50	55	6	0					0.00	29.99	30.07	4.5	18	7.9	22	14	18	15	05																																																					
06	66	52	59	-10	51	55	6	0					0.00	30.09	30.17	7.7	15	8.6	22	16	18	16	06																																																					
07	62	47	55	-15	48	53	10	0					0.00	30.08	30.16	8.5	06	9.2	24	06	22	06	07																																																					
08	73	45*	59	-11	49	54	6	0					0.00	30.04	30.13	2.6	09	9.3	22	16	21	15	08																																																					
09	80	46	63	-7	53	58	2	0					0.00	30.06	30.15	2.3	25	6.0	15	16	13	16	09																																																					
10	86	53	70	0	55	62	0	5	BR				0.00	30.01	30.10	5.5	28	6.3	17	29	14	29	10																																																					
11	87	61	74	4	61	66	0	9					0.00	29.87	29.95	5.9	23	7.0	18	24	16	23	11																																																					
12	83	66	75	4	62	67	0	10	BR HZ				0.00	29.70	29.78	5.3	22	6.6	16	21	14	20	12																																																					
13	79	68	74	3	69	70	0	9	TSRA RA BR				0.32	29.55	29.63	6.5	22	7.5	18	30	16	15	13																																																					
14	79	61	70	-1	64	66	0	5	BR				0.00	29.66	29.74	0.7	14	5.8	18	14	16	15	14																																																					
15	76	58	67	-5	47	56	0	2					0.00	29.90	29.99	5.2	09	10.8	24	15	22	15	15																																																					
16	75	50	63	-9	52	57	2	0					0.00	29.86	29.94	8.4	15	9.3	23	15	21	16	16																																																					
17	77	58	68	-4	60	63	0	3	RA				T	29.77	29.86	4.7	15	5.4	13	13	11	13	17																																																					
18	83	64	74	2	68	69	0	9	RA BR HZ				0.12	29.74	29.83	3.8	10	7.2	17	23	13	21	18																																																					
19	83	66	75	3	65	68	0	10	BR				0.00	29.81	29.89	6.8	31	8.0	21	01	18	01	19																																																					
20	87	62	75	2	64	68	0	10	BR HZ				0.00	29.91	29.99	3.1	21	6.2	17	15	15	15	20																																																					
21	92	69	81	8	68	72	0	16	HZ				0.00	29.85	29.93	8.4	21	9.0	21	19	17	19	21																																																					
22	93	68	81	8	49	63	0	16	TS TSRA HZ				0.14	29.81	29.89	5.2	25	7.4	46*	29	40*	30	22																																																					
23	89	64	77	4	48	61	0	12					0.00	29.99	30.07	7.5	31	8.3	26	29	23	32	23																																																					
24	89	61	75	1	62	68	0	10					0.00	29.98	30.07	4.4	17	7.0	17	16	16	14	24																																																					
25	95*	73	84*	10	69	74	0	19	HZ				0.00	29.85	29.93	7.5	24	8.1	24	24	20	25	25																																																					
26	92	70	81	7	68	73	0	16	RA HZ				T	29.79	29.88	7.1	29	8.3	21	30	18	30	26																																																					
27	86	65	76	2	58	65	0	11	BR				0.00	29.95	30.03	8.0	33	8.7	21	36	16	36	27																																																					
28	86	59	73	-1	57	64	0	8					0.00	30.03	30.12	2.9	15	7.4	21	16	18	16	28																																																					
29	86	61	74	-1	60	66	0	9					0.00	30.04	30.12	5.8	16	6.9	18	15	16	17	29																																																					
30	83	64	74	-1	63	67	0	9					0.00	30.01	30.09	6.7	16	7.1	22	16	20	17	30																																																					
< MONTHLY AVERAGES											TOTALS-->				1.75	29.89	29.98	2.6	18	8.4	<- MONTHLY AVERAGES																																																							
-1.2											-2.6		-1.9		----- DEPARTURE FROM NORMAL -----											-1.80		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																																																
DEGREE DAYS											GREATEST 24-HR PRECIPITATION: 1.00 DATE: 1-2											SEA LEVEL PRESSURE DATE TIME																																																						
MONTHLY TOTAL DEPARTURE											SEASON TO DATE TOTAL DEPARTURE											GREATEST 24-HR SNOWFALL: DATE: DATE: DATE:											MAXIMUM : 30.21 06 0908																																											
HEATING: 56 56 5001 64											COOLING: 204 5 213 -30											NUMBER OF DAYS WITH =>											MAXIMUM TEMP ≥ 90: 4											MINIMUM TEMP ≤ 32: 0											PRECIPITATION ≥ 0.01 INCH : 6																					
																																	MAXIMUM TEMP ≤ 32 : 0											MINIMUM TEMP ≤ 0 : 0											PRECIPITATION ≥ 0.10 INCH : 5																					
																																												THUNDERSTORMS : 2											HEAVY FOG : 0											SNOWFALL ≥ 1.0 INCH : 0										

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

## WILMINGTON, DE

JUNE 1997

ILG

WBAN # 13781

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note 2)	2400 LST	
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			Water	Equiv.
01													01												01		0.06		
02	0.03	0.01	0.12	T	0.01	T	0.01	T	0.01	T	T	T	02	T	0.09	0.42	0.16	0.03	T	T	0.01	0.01	0.02	0.01	02		0.98		
03	0.01	0.03	T	0.01	T	T	0.05	0.03	T				03		T	T				0.02	0.03	0.02	T	03		0.13			
04													04												04		0.00		
05													05												05		0.00		
06													06												06		0.00		
07													07												07		0.00		
08													08												08		0.00		
09													09												09		0.00		
10													10												10		0.00		
11													11												11		0.00		
12													12												12		0.00		
13		T	T										13	0.32	T										13		0.32		
14													14												14		0.00		
15													15												15		0.00		
16													16												16		0.00		
17													17												17		T		
18						T	T						18												18		0.12		
19													19								0.11	0.01	T		19		0.00		
20													20												20		0.00		
21													21												21		0.00		
22													22		0.05	0.09	T	T							22		0.14		
23													23												23		0.00		
24													24												24		0.00		
25													25												25		0.00		
26													26												26		T		
27													27												27		0.00		
28													28												28		0.00		
29													29												29		0.00		
30													30												30		0.00		

### MAXIMUM SHORT DURATION PRECIPITATION (See Note 1)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.11	.20	.25	.30	.36	.42	.44	.52	.58	.64	.68	.70
Ending Date	02	02	02	02	02	02	02	02	02	02	02	02
Ending Time (Hour/Min)	1417	1422	1425	1430	1439	1453	1438	1453	1542	1535	1604	1622

Date and time are not entered for TRACE amounts.

Note 1: NCDC derives these data from one-minute ASOS values. The table is not printed when inconsistent with ASOS hourly totals.

Note 2: The sum of the hourly totals is given when it differs from the daily total. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

## REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

\* = Extreme for the month (last occurrence if more than one)

T = Trace precipitation amount

+ = also occurs on earlier date

FG+ = Heavy fog, visibility .25 miles or less

BLANK entries denote missing or unreported data

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1961 – 1990

### WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PE Ice Pellets	HZ Haze	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

Intensity (as indicated on pages 4 to 6):

'+' = Heavy    ' ' = Moderate    '- ' = Light

## WILMINGTON, DE JUNE 1997

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR-SS), or midnight to midnight (MN-MN).

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. Clear = 0-2 oktas, Partly Cloudy = 3-6 oktas, Cloudy = 7-8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity. Wet Bulb is the temperature the air would have if cooled at constant pressure by evaporation of moisture into it, to 100% relative humidity.

ADDITIONAL NOTES:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							.50	10.00	
02							1.50	10.00	
03							2.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							9.00	10.00	
09							10.00	10.00	
10							6.00	10.00	
11							10.00	10.00	
12							6.00	10.00	
13							2.00	10.00	
14							2.50	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							8.00	10.00	
18							4.00	10.00	
19							2.00	10.00	
20							4.00	10.00	
21							5.00	8.00	
22							1.50	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							6.00	10.00	
26							4.00	10.00	
27							6.00	10.00	
28							10.00	10.00	
29							9.00	10.00	
30							10.00	10.00	
<b>MONTHLY AVGS</b>							6.63	9.93	
<b>SUNSHINE (MINUTES)</b>									
Total:                      Possible:									
Percent Possible:									
<b>NUMBER OF DAYS WITH:</b>									
<b>SKY CONDITION</b>									
CLR   PTLY CLDY   CLOUDY   MISSING									
30									
<b>MINIMUM VISIBILITY (MILES)</b>									
<=0.25    <=3.0    >=7.0									
0            7            15									

# OBSERVATIONS AT 3-HOURLY INTERVALS

# WILMINGTON, DE

JUNE 1997

ILG

WBAN # 13781

HOUR (LST)	≤ 12K FEET		SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)		HOUR (LST)	≤ 12K FEET		SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)					
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Otktas		RELATIVE HUMIDITY (PCT)	DRY BULB	DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION		SEA LEVEL	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)		EFF CLD AMT Otktas	RELATIVE HUMIDITY (PCT)	DRY BULB	DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		
01	OVC	013			SUNRISE: 0437	JUN 01	65	64	64	97	9	15	29.83	29.92	01	BKN	050			SUNRISE: 0435	JUN 07	56	48	52	75	10	08	30.09	30.17
04	OVC	001					63	63	63	100	6	18	29.81	29.90	04	BKN	110			SUNSET: 1927	JUN 07	54	49	51	83	9	08	30.06	30.14
07	OVC	003					63	63	63	100	0	00	29.83	29.91	07	FEW	NC				JUN 08	55	49	52	80	10	05	30.10	30.19
10	OVC	011					70	65	67	84	9	06	29.82	29.91	10	FEW	NC				JUN 08	59	49	54	69	16	07	30.08	30.17
13	FEW	NC					77	65	69	66	12	04	29.77	29.86	13	OVC	034				JUN 08	60	48	54	65	10	07	30.08	30.17
16	OVC	050					78	64	69	62	12	05	29.73	29.82	16	OVC	047				JUN 08	61	48	54	63	12	05	30.07	30.16
19	OVC	032					73	64	67	74	13	07	29.73	29.82	19	CLR	NC				JUN 08	60	48	54	65	8	10	30.06	30.15
22	OVC	013					65	63	64	93	14	06	29.78	29.86	22	CLR	NC				JUN 08	54	47	50	77	0	00	30.08	30.17
01	OVC	006			SUNRISE: 0436	JUN 02	62	61	61	96	12	05	29.76	29.85	01	CLR	NC			SUNRISE: 0435	JUN 08	48	47	47	96	6	30	30.04	30.13
04	OVC	006					60	60	60	100	13	05	29.77	29.85	04	CLR	NC				JUN 08	46	45	46	96	6	33	30.02	30.11
07	OVC	007					60	60	60	100	15	05	29.81	29.90	07	CLR	NC				JUN 08	57	49	53	75	9	33	30.05	30.14
10	OVC	015					61	59	60	93	22	06	29.82	29.91	10	CLR	NC				JUN 08	68	49	58	51	10	04	30.05	30.14
13	OVC	012					60	58	59	93	22	06	29.84	29.92	13	CLR	NC				JUN 08	71	49	59	46	13	06	30.02	30.11
16	OVC	014					58	57	57	97	16	06	29.86	29.94	16	FEW	NC				JUN 08	67	54	60	63	16	16	30.01	30.10
19	OVC	008					57	56	56	96	22	06	29.87	29.95	19	CLR	NC				JUN 08	61	55	58	81	14	15	30.04	30.13
22	OVC	018					55	54	54	96	17	05	29.91	30.00	22	CLR	NC				JUN 08	56	48	52	75	5	13	30.07	30.16
01	OVC	007			SUNRISE: 0436	JUN 03	52	51	52	97	24	04	29.90	29.99	01	CLR	NC			SUNRISE: 0435	JUN 09	51	50	51	96	5	28	30.08	30.17
04	OVC	016					51	49	50	92	15	04	29.90	29.98	04	CLR	NC				JUN 09	49	48	48	97	3	30	30.08	30.16
07	OVC	015					48	48	48	100	7	33	29.98	30.06	07	CLR	NC				JUN 09	58	48	53	70	6	29	30.09	30.18
10	OVC	038					54	47	50	77	17	05	29.97	30.05	10	CLR	NC				JUN 09	71	53	61	53	6	27	30.09	30.18
13	OVC	037					58	48	53	70	16	04	29.94	30.03	13	SCT	NC				JUN 09	77	54	63	45	8	25	30.05	30.14
16	OVC	047					58	47	52	67	16	05	29.94	30.03	16	BKN	085				JUN 09	76	53	63	45	9	14	30.02	30.10
19	OVC	060					57	47	52	69	10	05	29.94	30.02	19	CLR	NC				JUN 09	73	56	63	55	5	22	30.01	30.10
22	OVC	080					55	44	50	67	13	05	29.95	30.04	22	CLR	NC				JUN 09	63	59	61	87	8	15	30.05	30.14
01	OVC	090			SUNRISE: 0436	JUN 04	54	43	49	67	12	05	29.92	30.00	01	CLR	NC			SUNRISE: 0434	JUN 10	59	59	59	100	0	00	30.05	30.14
04	BKN	110					53	44	49	72	8	01	29.87	29.95	04	CLR	NC				JUN 10	54	54	54	100	0	00	30.05	30.14
07	CLR	NC					54	45	49	72	12	36	29.88	29.97	07	CLR	NC				JUN 10	68	56	61	66	5	28	30.07	30.16
10	CLR	NC					61	45	53	56	17	05	29.90	29.98	10	CLR	NC				JUN 10	81	58	67	46	8	30	30.05	30.14
13	CLR	NC					65	46	55	51	14	06	29.89	29.98	13	CLR	NC				JUN 10	85	53	66	34	7	28	30.01	30.10
16	FEW	NC					66	44	55	45	12	08	29.89	29.98	16	CLR	NC				JUN 10	85	54	66	35	8	26	29.96	30.04
19	CLR	NC					63	45	54	52	7	13	29.90	29.99	19	CLR	NC				JUN 10	80	56	65	44	7	24	29.95	30.03
22	CLR	NC					55	48	51	77	0	00	29.94	30.03	22	CLR	NC				JUN 10	72	57	63	60	7	24	29.96	30.04
01	CLR	NC			SUNRISE: 0435	JUN 05	53	48	50	83	5	19	29.94	30.03	01	CLR	NC			SUNRISE: 0434	JUN 11	66	59	62	78	7	24	29.94	30.03
04	CLR	NC					48	47	47	96	5	28	29.96	30.05	04	CLR	NC				JUN 11	64	57	60	78	5	27	29.92	30.01
07	BKN	100					57	50	53	78	6	31	29.99	30.08	07	CLR	NC				JUN 11	69	57	62	66	3	25	29.93	30.02
10	CLR	NC					65	45	54	49	6	30	30.00	30.09	10	CLR	NC				JUN 11	81	60	68	49	3	VR	29.90	29.99
13	FEW	NC					70	51	59	51	5	VR	29.99	30.08	13	CLR	NC				JUN 11	84	62	70	48	7	21	29.85	29.94
16	SCT	NC					70	52	60	53	8	19	29.95	30.03	16	CLR	NC				JUN 11	82	62	69	51	10	23	29.83	29.91
19	CLR	NC					62	54	58	75	16	16	29.96	30.05	19	CLR	NC				JUN 11	79	63	69	58	7	23	29.81	29.90
22	CLR	NC					59	51	55	75	14	16	30.03	30.12	22	CLR	NC				JUN 11	72	64	67	76	7	23	29.80	29.88
01	CLR	NC			SUNRISE: 0435	JUN 06	57	46	51	67	14	17	30.06	30.14	01	CLR	NC			SUNRISE: 0434	JUN 12	70	63	66	79	7	22	29.77	29.86
04	OVC	030					55	49	52	80	8	15	30.08	30.17	04	CLR	NC				JUN 12	67	63	64	87	5	25	29.75	29.84
07	CLR	NC					57	53	55	87	5	11	30.11	30.19	07	CLR	NC				JUN 12	69	64	66	84	7	24	29.77	29.85
10	CLR	NC					64	51	57	63	7	12	30.10	30.19	10	BKN	100				JUN 12	74	62	67	67	3	29	29.74	29.83
13	CLR	NC					65	53	58	66	14	16	30.08	30.17	13	CLR	NC				JUN 12	81	63	69	54	8	15	29.70	29.78
16	OVC	048					60	53	56	78	17	17	30.08	30.16	16	CLR	NC				JUN 12	80	62	69	54	10	24	29.64	29.73
19	CLR	NC					59	53	56	81	7	17	30.08	30.17	19	CLR	NC				JUN 12	77	60	66	56	7	23	29.61	29.70
22	FEW	NC					58	48	53	70	7	09	30.08	30.17	22	CLR	NC				JUN 12	71	63	66	76	5	19	29.61	29.70

# OBSERVATIONS AT 3-HOURLY INTERVALS

# WILMINGTON, DE

JUNE 1997

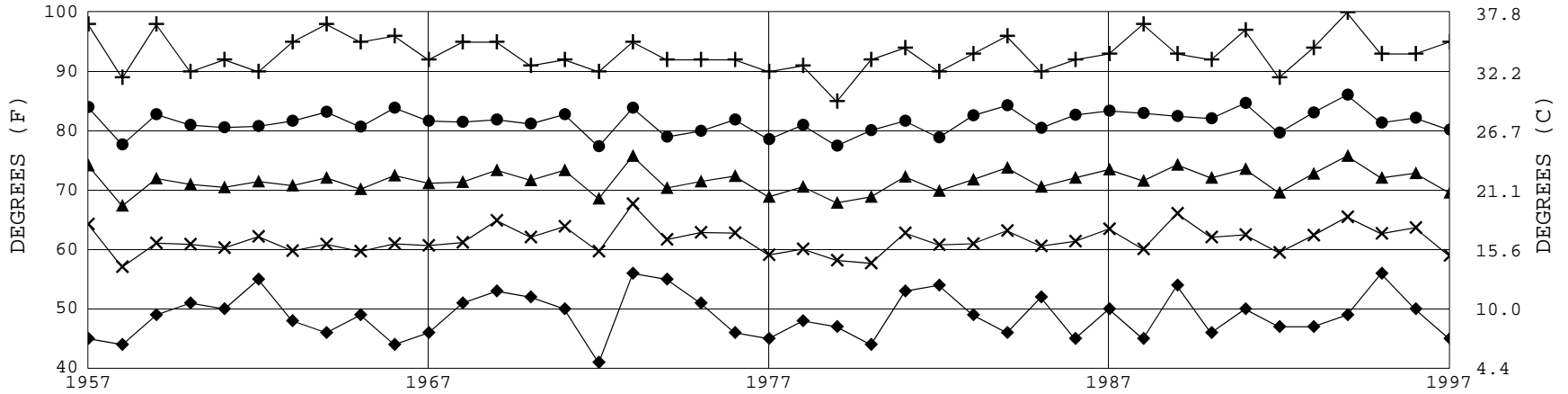
ILG

WBAN # 13781

HOUR (LST)	≤ 12K FEET		SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	≤ 12K FEET		SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)							
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Okta		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION		SEA LEVEL	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)		EFF CLD AMT Okta	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL				
		<b>SUNRISE: 0434</b>					<b>JUN 13</b>					<b>SUNSET: 1931</b>							<b>SUNRISE: 0435</b>					<b>JUN 19</b>					<b>SUNSET: 1933</b>				
01	CLR	NC			6.00	BR	69	66	67	90	6	18	29.59	29.67	01	CLR	NC			9.00	70	69	69	97	6	19	29.69	29.78					
04	BKN	100			6.00	BR	69	68	68	96	6	18	29.56	29.65	04	CLR	NC			3.00	67	67	67	100	6	28	29.70	29.78					
07	SCT	NC			5.00	BR	71	69	70	94	5	22	29.57	29.65	07	FEW	NC			2.50	71	68	69	90	7	32	29.78	29.86					
10	FEW	NC			8.00		74	70	71	88	10	24	29.55	29.64	10	BKN	025			10.00	77	67	70	71	10	35	29.82	29.91					
13	OVC	006			2.00	-TSRA BR	70	70	70	100	7	28	29.54	29.63	13	SCT	NC			10.00	80	65	70	60	10	33	29.83	29.91					
16	CLR	NC			10.00		79	68	72	69	8	25	29.48	29.57	16	FEW	NC			10.00	81	62	69	53	10	33	29.83	29.92					
19	SCT	NC			9.00		76	69	71	79	10	24	29.51	29.59	19	CLR	NC			10.00	77	62	68	60	5	31	29.85	29.94					
22	FEW	NC			7.00		72	70	71	94	7	24	29.55	29.64	22	CLR	NC			10.00	71	60	64	68	6	30	29.89	29.98					
		<b>SUNRISE: 0434</b>					<b>JUN 14</b>					<b>SUNSET: 1931</b>							<b>SUNRISE: 0435</b>					<b>JUN 20</b>					<b>SUNSET: 1933</b>				
01	CLR	NC			5.00	BR	69	69	69	100	9	26	29.55	29.64	01	CLR	NC			7.00	63	60	61	90	5	31	29.89	29.98					
04	CLR	NC			2.50	BR	67	67	67	100	7	29	29.53	29.62	04	CLR	NC			6.00	63	60	61	90	5	21	29.90	29.99					
07	BKN	050			5.00	BR	70	66	67	87	6	36	29.60	29.69	07	CLR	NC			4.00	68	63	65	84	0	00	29.93	30.02					
10	CLR	NC			10.00		75	62	67	64	3	06	29.64	29.73	10	CLR	NC			10.00	81	63	69	54	5	VR	29.93	30.02					
13	CLR	NC			10.00		78	59	66	52	5	24	29.67	29.75	13	CLR	NC			10.00	85	63	71	48	8	23	29.90	29.99					
16	FEW	NC			8.00		72	66	68	82	16	15	29.65	29.74	16	CLR	NC			8.00	87	64	72	46	9	26	29.87	29.96					
19	CLR	NC			8.00		69	65	66	87	8	14	29.71	29.80	19	CLR	NC			6.00	78	67	71	69	12	15	29.87	29.96					
22	CLR	NC			8.00		67	63	64	87	0	00	29.77	29.86	22	CLR	NC			6.00	73	67	69	81	6	14	29.90	29.98					
		<b>SUNRISE: 0434</b>					<b>JUN 15</b>					<b>SUNSET: 1931</b>							<b>SUNRISE: 0435</b>					<b>JUN 21</b>					<b>SUNSET: 1933</b>				
01	CLR	NC			10.00		61	52	56	72	9	36	29.81	29.90	01	CLR	NC			6.00	72	66	68	82	6	17	29.91	29.99					
04	OVC	075			10.00		61	44	52	54	12	02	29.84	29.93	04	CLR	NC			7.00	70	64	66	82	5	16	29.90	29.99					
07	BKN	070			10.00		63	45	54	52	8	02	29.93	30.02	07	CLR	NC			6.00	74	66	69	76	9	19	29.87	29.96					
10	CLR	NC			10.00		70	42	55	37	10	04	29.96	30.04	10	CLR	NC			7.00	83	70	74	65	9	21	29.89	29.97					
13	CLR	NC			10.00		74	46	59	37	5	VR	29.92	30.01	13	FEW	NC			7.00	90	70	76	52	10	22	29.84	29.93					
16	CLR	NC			10.00		74	53	62	48	14	16	29.89	29.98	16	FEW	NC			8.00	91	68	75	47	10	23	29.81	29.89					
19	CLR	NC			10.00		66	51	58	59	16	15	29.91	30.00	19	CLR	NC			6.00	86	70	75	59	12	20	29.78	29.87					
22	CLR	NC			10.00		61	49	55	65	8	13	29.91	30.00	22	CLR	NC			8.00	82	69	73	65	13	18	29.79	29.88					
		<b>SUNRISE: 0434</b>					<b>JUN 16</b>					<b>SUNSET: 1932</b>							<b>SUNRISE: 0435</b>					<b>JUN 22</b>					<b>SUNSET: 1934</b>				
01	CLR	NC			10.00		57	50	53	78	3	12	29.89	29.98	01	CLR	NC			7.00	77	70	72	79	10	19	29.81	29.89					
04	CLR	NC			10.00		55	50	52	83	0	00	29.89	29.98	04	SCT	NC			6.00	75	56	64	52	5	20	29.80	29.88					
07	CLR	NC			10.00		60	51	55	72	5	VR	29.93	30.01	07	CLR	NC			5.00	78	58	66	50	10	23	29.79	29.87					
10	CLR	NC			10.00		68	52	59	57	9	17	29.90	29.99	10	CLR	NC			6.00	87	62	71	43	9	24	29.79	29.88					
13	CLR	NC			10.00		71	50	59	47	15	15	29.85	29.94	13	CLR	NC			8.00	91	63	72	39	7	VR	29.77	29.86					
16	CLR	NC			10.00		75	51	61	43	15	16	29.79	29.88	16	CLR	NC			7.00	83	36	58	19	8	24	29.76	29.85					
19	CLR	NC			10.00		67	53	59	61	15	16	29.80	29.88	19	BKN	100			6.00	82	37	58	20	7	25	29.79	29.88					
22	CLR	NC			10.00		63	54	58	73	12	14	29.80	29.88	22	CLR	NC			10.00	73	27	52	18	6	31	29.86	29.94					
		<b>SUNRISE: 0434</b>					<b>JUN 17</b>					<b>SUNSET: 1932</b>							<b>SUNRISE: 0435</b>					<b>JUN 23</b>					<b>SUNSET: 1934</b>				
01	CLR	NC			10.00		59	50	54	72	6	19	29.78	29.87	01	CLR	NC			10.00	69	30	51	23	7	33	29.90	29.98					
04	CLR	NC			10.00		58	50	54	75	6	16	29.75	29.84	04	CLR	NC			10.00	67	50	58	55	5	27	29.94	30.03					
07	CLR	NC			10.00		63	58	60	84	7	14	29.76	29.85	07	CLR	NC			10.00	72	54	61	53	6	27	30.00	30.08					
10	BKN	085			10.00		68	59	63	73	9	14	29.75	29.84	10	CLR	NC			10.00	81	55	65	41	6	26	30.01	30.09					
13	OVC	050			10.00		73	62	66	69	5	13	29.75	29.84	13	CLR	NC			10.00	88	47	64	24	17	31	29.98	30.06					
16	BKN	060			9.00		75	64	68	69	0	00	29.76	29.85	16	CLR	NC			10.00	88	46	64	23	13	32	29.98	30.07					
19	BKN	055			9.00		73	67	69	81	6	14	29.77	29.85	19	CLR	NC			10.00	83	45	62	26	7	35	29.99	30.08					
22	SCT	NC			9.00		68	65	66	90	0	00	29.82	29.91	22	CLR	NC			10.00	74	48	59	40	3	25	30.03	30.12					
		<b>SUNRISE: 0434</b>					<b>JUN 18</b>					<b>SUNSET: 1932</b>							<b>SUNRISE: 0436</b>					<b>JUN 24</b>					<b>SUNSET: 1934</b>				
01	BKN	120			10.00		66	63	64	90	8	07	29.81	29.90	01	CLR	NC			10.00	65	50	57	59	6	30	30.04	30.12					
04	CLR	NC			9.00		65	62	63	90	12	06	29.79	29.88	04	CLR	NC			10.00	61	58	59	90	6	31	30.04	30.12					
07	BKN	008			5.00	BR	65	63	64	93	8	06	29.81	29.89	07	CLR	NC			10.00	74	60	65	62	3	07	30.05	30.14					
10	OVC	006			4.00	BR	68	65	66	90	7	07	29.80	29.89	10	CLR	NC			10.00	83	64	71	53	10	15	30.01	30.09					
13	SCT	NC			4.00	HZ	74	69	71	85	5	08	29.75	29.83	13	CLR	NC			10.00	88	62	71	42	8	20	29.98	30.07					
16	CLR	NC			6.00	HZ	83	74	77	74	10	17	29.66	29.75	16	CLR	NC			10.00	84	66	72	55	12	16	29.93	30.02					
19	FEW	NC			6.00	HZ	78	73	75	85	5	12	29.66	29.75	19	CLR	NC			10.00	81	71	74	72	7	15	29.91	29.99					
22	CLR	NC			10.00		73	70	71	90	6	22	29.69	29.78	22	CLR	NC			10.00	81	65	71	58	7	22	29.92	30.01					



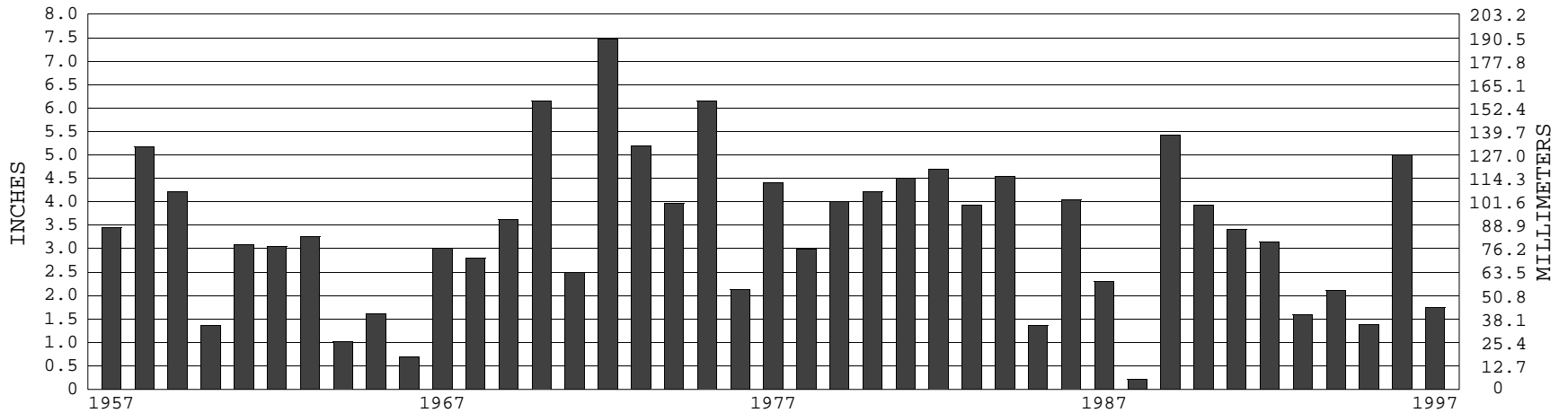
### WILMINGTON, DE JUNE TEMPERATURES



+ Extreme Max.    ● Mean Max.    ▲ Mean    × Mean Min.    ◆ Extreme Min.

Long-Term (1957-1997) Mean: 71.6    1961-1990 Normal: 71.5

### WILMINGTON, DE JUNE PRECIPITATION



Long-Term (1957-1997) Mean Monthly Total: 3.39

1961-1990 Normal: 3.55



**JUNE 1997  
WILMINGTON, DE**

# LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

*I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA – National Weather Service / Department Of Transportation – Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.*

*Kenneth D Hadean*

DIRECTOR

## NOTICE

Effective July 1, 1996, the National Weather Service & Federal Aviation Administration began using the METAR format for Hourly Observations.

We welcome your questions or comments, please contact us at  
704-271-4800 (voice), 704-271-4876 (fax),  
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